

Title (en)

HOT-DIP ALUMINIZED STEEL SHEET AND METHOD OF PRODUCING THE SAME

Title (de)

FEUERALUMINIERTES STAHLBLECH UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

TÔLE D'ACIER ALUMINISÉE PAR IMMERSION À CHAUD ET PROCÉDÉ DE PRODUCTION ASSOCIÉ

Publication

**EP 3732312 A1 20201104 (EN)**

Application

**EP 18833724 A 20181219**

Priority

- US 201762610400 P 20171226
- JP 2018037949 A 20180302
- JP 2018046815 W 20181219

Abstract (en)

[origin: WO2019131385A1] Provided is a hot-dip aluminized steel sheet with fine-sized spangles produced in a different way from conventional methods, and a method of producing a hot-dip aluminized steel sheet with fine-sized spangles in a different way from conventional methods. The hot-dip aluminized steel sheet includes: a substrate steel sheet; and an aluminum-based coating which is formed by a hot-dip method on the surface of the substrate steel sheet and in which the average B concentration is not less than 0.005 mass% and the sum of the average Ti concentration and the average V concentration is not more than 0.03 mass%.

IPC 8 full level

**C23C 2/12** (2006.01); **C23C 2/40** (2006.01)

CPC (source: EP KR US)

**C23C 2/12** (2013.01 - EP KR US); **C23C 2/40** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2019131385A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2019131385 A1 20190704**; CN 111655894 A 20200911; CN 111655894 B 20220927; EP 3732312 A1 20201104; JP 2020513062 A 20200430; JP 6694663 B2 20200520; KR 102493009 B1 20230127; KR 20200102464 A 20200831; TW 201930618 A 20190801; TW I713959 B 20201221; US 11365469 B2 20220621; US 2020392614 A1 20201217

DOCDB simple family (application)

**JP 2018046815 W 20181219**; CN 201880084079 A 20181219; EP 18833724 A 20181219; JP 2019555051 A 20181219; KR 20207020973 A 20181219; TW 107146657 A 20181222; US 201816499982 A 20181219